

EAST Search History

EAST Search History (Prior Art)

| Ref # | Hits   | Search Query   | DBs   | Default Operator | Plurals | Time Stamp          |
|-------|--------|--|---|------------------|---------|---------------------|
| L1    | 9884   | (356/300-326).ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR               | OFF     | 2011/10/21<br>09:41 |
| L2    | 0      | (detect\$4 sensor) same (carrier near captur\$4) same substrate same (open\$4 entran\$4 enter\$4)same (detect\$4 near array)     | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR               | OFF     | 2011/10/21<br>09:43 |
| L3    | 6      | (detect\$4 sensor) same (carrier near captur\$4) same substrate same (open\$4 entran\$4 enter\$4)                                | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR               | OFF     | 2011/10/21<br>09:43 |
| L4    | 15     | (carrier near captur\$4) same substrate same (open\$4 entran\$4 enter\$4)  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR               | OFF     | 2011/10/21<br>09:44 |
| L5    | 5      | (carrier near captur\$4) same substrate same (open\$4 entran\$4 enter\$4)same (photodiode photo adj diode)                       | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR               | OFF     | 2011/10/21<br>09:45 |
| L6    | 5      | (carrier near captur\$4) same substrate same (open\$4 entran\$4 enter\$4)same (photodiode photo adj diode)same array             | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR               | OFF     | 2011/10/21<br>09:46 |
| L7    | 1      | I1 and (carrier near captur\$4) same substrate same (open\$4 entran\$4 enter\$4)same (photodiode photo adj diode)same array      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR               | OFF     | 2011/10/21<br>09:46 |
| L8    | 0      | I1 and (carrier near captur\$4) same substrate same (open\$4 entran\$4 enter\$4)same (photodiode photo adj diode)same array.clm. | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR               | OFF     | 2011/10/21<br>09:46 |
| L9    | 0      | (carrier near captur\$4) same substrate same (open\$4 entran\$4 enter\$4)same (photodiode photo adj diode)same array.clm.        | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR               | OFF     | 2011/10/21<br>09:46 |
| L10   | 1      | (carrier near captur\$4) same substrate same (open\$4 entran\$4 enter\$4).clm.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR               | OFF     | 2011/10/21<br>09:46 |
| L11   | 1      | (detect\$4 sensor) same (carrier near captur\$4) same substrate same (open\$4 entran\$4 enter\$4).clm.                           | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR               | OFF     | 2011/10/21<br>09:47 |
| L12   | 108964 | "356"/\$.ccls.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR               | ON      | 2011/10/21<br>09:47 |
|       |        |  |   |                  |         |                     |

interference

|     |         |  |   |    |     |                     |
|-----|---------|--|---|----|-----|---------------------|
| L13 | 1       | L12 and (carrier near captur\$4)<br>same substrate same (open\$4<br>entran\$4 enter\$4)      | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2011/10/21<br>09:47 |
| L14 | 1       | L12 and (carrier near captur\$4)<br>same substrate same (open\$4<br>entran\$4 enter\$4).clm. | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | OFF | 2011/10/21<br>09:47 |
| S1  | 2       | "20080259331"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2010/09/22<br>13:58 |
| S2  | 3       | "20060203228"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2010/09/22<br>13:59 |
| S3  | 2       | "5557394".pn.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2010/09/22<br>14:00 |
| S4  | 7577687 | (carrier capture substrate detector<br>sensor)   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2010/09/22<br>14:01 |
| S5  | 1       | S3 and S4  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2010/09/22<br>14:01 |
| S6  | 2       | "5508991".pn.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2010/09/22<br>14:02 |
| S7  | 0       | S6 and S4  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2010/09/22<br>14:02 |
| S8  | 2       | S1 and S4  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2010/09/22<br>14:02 |
| S9  | 2       | "7230691".pn.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2010/09/22<br>14:03 |
| S10 | 0       | S9 and S4  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2010/09/22<br>14:04 |
| S11 | 5959    | (substrate film surface) same<br>(detect\$3 sensor) same array same<br>(entrance open\$7)    | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2010/09/22<br>14:06 |
| S12 | 2220    | carrier near captur\$4   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON  | 2010/09/22<br>14:06 |
| S13 | 13      | S11 and S12  | US-PGPUB;<br>USPAT; EPO;<br>JPO;            | OR | ON  | 2010/09/22<br>14:06 |

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|     |        |   | DERWENT                                     |    |    |                     |
| S14 | 104047 | "356"/\$.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/09/22<br>14:26 |
| S15 | 12     | S14 and S12   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/09/22<br>14:27 |
| S16 | 2      | "20020135785"   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/09/22<br>14:30 |
| S17 | 1      | S16 and S4  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/09/22<br>14:30 |
| S18 | 1      | "10580841"  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/09/22<br>14:34 |
| S19 | 994139 | substrate same film   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/09/22<br>14:39 |
| S20 | 490423 | substrate same film same surface                                    | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/09/22<br>14:40 |
| S21 | 65017  | (detect\$4 sensor adj array) same<br>light same (entran\$4 open\$6) | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/09/22<br>14:41 |
| S22 | 2220   | carrier near captur\$4  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/09/22<br>14:41 |
| S23 | 7      | S20 and S21 and S22   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/09/22<br>14:42 |
| S24 | 16995  | photodiode near array   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/09/23<br>11:59 |
| S25 | 104096 | "356"/\$.ccls.  | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/09/23<br>11:59 |
| S26 | 2572   | S25 and photodiode near array                                       | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/09/23<br>11:59 |
| S27 | 2      | "5542018".pn.   | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/09/23<br>12:06 |
| S28 | 1912   | spectrometer same (photodetect\$4                                   | US-PGPUB;                                   | OR | ON | 2010/09/23          |

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|     |     | photo adj detect\$4 sensor) same array | USPAT; EPO;<br>JPO;<br>DERWENT              |    |    | 12:22               |
| S29 | 666 | S28 and S25                            | US-PGPUB;<br>USPAT; EPO;<br>JPO;<br>DERWENT | OR | ON | 2010/09/23<br>12:22 |

10/ 21/ 2011 9:48:27 AM  
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